

Release notes for ENDF/B Development n-034_Se_079
evaluation

ENDF
B-VII.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section
MAT=3440, MF= 1, MT=451 (1): Parsing stopped

```
ERROR(S) FOUND IN MAT=3440, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      318 TO      324
```

- checkr Errors:

1. A variable is outside the allowed ENDF range
MAT=3440, MF= 1, MT=451 (0): Variable range

```
ERROR(S) FOUND IN MAT=3440, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      318
```

2. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3440, MF= 5, MT= 17 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3440, MF= 5, MT= 17
SECTION  5/ 17 NOT IN DIRECTORY      RECORD NUMBER      2458
```

3. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3440, MF= 5, MT= 22 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3440, MF= 5, MT= 22
SECTION  5/ 22 NOT IN DIRECTORY      RECORD NUMBER      2479
```

4. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3440, MF= 5, MT= 28 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3440, MF= 5, MT= 28
SECTION  5/ 28 NOT IN DIRECTORY      RECORD NUMBER      2608
```

5. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3440, MF= 5, MT= 32 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3440, MF= 5, MT= 32
SECTION  5/ 32 NOT IN DIRECTORY      RECORD NUMBER      2674
```

6. Missing a section in directory so your directory is messed up. This error will break everything else
MAT=3440, MF= 5, MT= 91 (0): Directory (b)

```
ERROR(S) FOUND IN MAT=3440, MF= 5, MT= 91
SECTION  5/ 91 NOT IN DIRECTORY      RECORD NUMBER      2710
```

- psyche Warnings:

1. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79981E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79981E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
... [1 more lines]
```

2. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79991E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79991E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
```

3. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79994E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79994E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
... [2 more lines]
```

4. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79992E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79992E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
... [2 more lines]
```

5. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79985E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

```
FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
```

STRENGTH FUNCTION 5.79985E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04

6. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.80001E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05

STRENGTH FUNCTION 5.80001E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04

... [1 more lines]

7. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.80013E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05

STRENGTH FUNCTION 5.80013E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04

8. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.80014E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05

STRENGTH FUNCTION 5.80014E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04

9. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.80000E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05

STRENGTH FUNCTION 5.80000E-05

LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04

10. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79993E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

FILE 2

SECTION 151

ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05

- STRENGTH FUNCTION 5.79993E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
- ... [2 more lines]
11. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79997E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79997E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
... [1 more lines]
12. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79988E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79988E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
13. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79983E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79983E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
14. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.80012E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.80012E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
15. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79996E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79996E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
16. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79984E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79984E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
17. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.80019E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.80019E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
18. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05 / STRENGTH FUNCTION 5.79982E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79981E-05
STRENGTH FUNCTION 5.79982E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
19. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79990E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79990E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
- ... [1 more lines]
20. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79982E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79982E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
21. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80012E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80012E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
22. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79989E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79989E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
... [1 more lines]
23. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79992E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79992E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
24. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79997E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79997E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
25. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79980E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79980E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
26. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79986E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79986E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
... [1 more lines]
27. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80024E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80024E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
28. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79977E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79977E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
29. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79981E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79981E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
30. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80027E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80027E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
31. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79972E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79972E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
32. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80011E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80011E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
33. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79996E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79996E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
34. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80000E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80000E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
35. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79984E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79984E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
36. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80018E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80018E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
37. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80004E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80004E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
... [1 more lines]
38. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80014E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80014E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
39. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80019E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.
- FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80019E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04
40. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.79983E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

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FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.79983E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04

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41. Strength function in URR not in agreement with PSYCHE's expectations
FILE 2 / SECTION 151 / ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05 / STRENGTH FUNCTION 5.80008E-05 / LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04 (0): URR str. ftn.

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FILE 2
SECTION 151
ENERGY = 3.80000E+01. STRENGTH FUNCTION IS 5.79990E-05
STRENGTH FUNCTION 5.80008E-05
LIES OUTSIDE LIMITS 1.00000E-04 TO 9.00000E-04

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- recent Warnings:

1. Fission widths given for non-fissile nucleus, but are zero
0: Fission?

```

Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====
Retrieval Criteria----- MAT
File 2 Mimimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background- Output (Resonance Contribution)
... [615 more lines]

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- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.83%

2. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 1: (z,n) (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.11%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.
reaction label 31: n[multiplicity:'2'] + Se78 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -7011044.371948242 eV vs -6.9652e6 eV!

2. Calculated and tabulated Q values disagree.
reaction label 32: n[multiplicity:'3'] + Se77 (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -17508855.35614014 eV vs -1.74667e7 eV!

3. Energy range of data set does not match cross section range
reaction label 32: n[multiplicity:'3'] + Se77 / Product: n / Distribution: / uncorrelated - energy - XYs2d: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (17689900.0 -> 20000000.0) vs (17690000.0 -> 20000000.0)

4. Calculated and tabulated Q values disagree.
reaction label 33: $n + H1 + As78$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -10437365.75285339 eV vs -1.04742e7 eV!

5. Calculated and tabulated Q values disagree.
reaction label 34: $n + H2 + As77$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -15184958.76339722 eV vs -1.50645e7 eV!

6. Calculated and tabulated Q values disagree.
reaction label 35: $Se80 + gamma$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 9865439.195571899 eV vs 9912090. eV!

7. Calculated and tabulated Q values disagree.
reaction label 36: $n + He4 + Ge75$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -6534302.374649048 eV vs -6486380. eV!

8. Calculated and tabulated Q values disagree.
reaction label 37: $H1 + As79_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -1546941.827651978 eV vs -1418130. eV!

9. Calculated and tabulated Q values disagree.
reaction label 38: $H2 + As78_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8212799.651916504 eV vs -8.1641e6 eV!

10. Calculated and tabulated Q values disagree.
reaction label 39: $H3 + As77_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -8927725.822784424 eV vs -8879360. eV!

11. Calculated and tabulated Q values disagree.
reaction label 40: $He3 + Ge77_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: -11611682.90689087 eV vs -1.15621e7 eV!

12. Calculated and tabulated Q values disagree.
reaction label 41: $He4 + Ge76_s$ (Error # 0): Q mismatch

WARNING: Calculated and tabulated Q-values disagree: 2893634.601394653 eV vs 2947120. eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (0): GROUPE/conver (0)

- message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided
2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided
3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided
4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided
5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided
6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!
group...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)
- message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided